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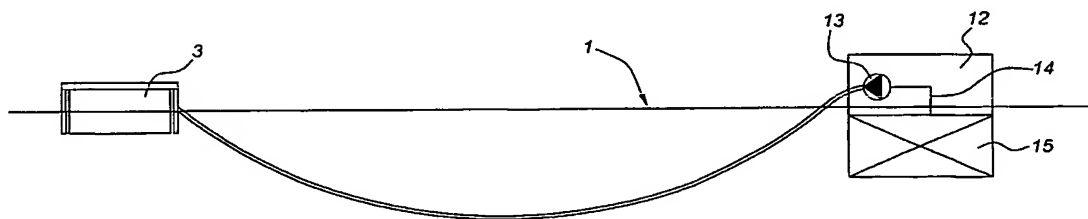
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(54) Title: METHOD OF SUPPLYING OIL FROM A FLOATING PRODUCTION STRUCTURE TO AN OFFLOADING BUOY VIA A THERMALLY INSULATED FLEXIBLE TRANSFER DUCT



(57) Abstract: The invention relates to a method of supplying oil from a first floating structure to an offloading structure. The method comprises the steps of: - providing a flexible duct extending between the two structures at a water depth of between 50m and 500m, the duct comprising a flexible elastomeric material and having an internal diameter of at least 600 mm and a length of between 1500 and 3000 m, - providing at least one pump at the first structure and pumping the oil through the duct at a pressure between 5 bar and at a flow rate between 1000 and 50.000 m<sup>3</sup>/hr, characterized in - providing a single flexible duct, and - providing a wall thickness of the duct such that at water temperatures between 2°C and 20°C, preferably between 2°C and 10°C, the oil comprises at the first structure an inlet temperature  $T_{in}$  and at the second structure an outlet temperature  $T_0$  which is such that  $T_{in} - T_0$  is smaller than or equal to 15°C, preferably smaller than 5°C.